

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-001915**Date Inspected:** 29-Mar-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 600**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

UT Training and verification for EDS1-SA287

This Quality Assurance (QA) inspector arrived at ZPMC for observation of the SAS super structure fabrication for training to perform UT verification of the closed rib Partial Joints Penetration (PJP) welds of the OBG deck panels with lead QA inspector Bruce Berger for the calibration and calculations required for this specific area. After the training was completed this QA inspector was called to perform a 25% UT verification for diaphragm plate ESD1-SA287 weld 3A and 4A. This weld location due to the material thickness of 75mm required per AWS D1.5 to be tested using a 45° angle for the top quarter and a 70° angle for bottom and middle quarters. Upon completion of the UT verification by this QA inspector it was noted that no rejectable indications were found. A TL-6027 was generated for this location and distributed to the required personnel.

**Summary of Conversations:**

No conversations noted today.

**Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

**Inspected By:** Riley,Ken

Quality Assurance Inspector

**Reviewed By:** Hager,Craig

QA Reviewer